

Change Number M-15-99-03	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date
Originator M. J. Furman		Phone 373-9630
Class of Change <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> I - Signatories <input type="checkbox"/> II - Executive Manager <input checked="" type="checkbox"/> III - Project Manager </div>		
Change Title Modifications to the Groundwater Sampling and Analysis for the 100-BC-5 Operable Unit Groundwater Sampling Project		
Description/Justification of Change <p>The following encapsulates changes to the 100-BC-5 Operable Unit Monitoring as of 07/31/96</p> <ol style="list-style-type: none"> 1) Four wells were deleted from the original Change Control Form (Change Number M-15-96-07). Technetium-99 and carbon-14 were also removed from the annual sampling schedule. These changes were noted in the correspondence appended to the Change Control Form without justification. The current revision of the Change Control Form reflects these previous deletions. 2) Wells 199-B3-2(p,q) and 199-B9-1 were deleted as part of remediation efforts in the 100-B,C Area. The 100-BC-5 Operable Unit continues to have adequate coverage from remaining groundwater monitoring wells. Changes in groundwater conditions or elevation of constituent levels could require new well installations. Well placements are selected on the basis of proximity to the Columbia River, historical trends in each well, and contaminant plume locations. 3) Integration of groundwater programs within the Hanford Site has eliminated overlap in sampling schedules and constituents. Surveillance and 100-BC-5 Operable Unit monitoring were added to the Integrated Monitoring Plan for the Hanford Groundwater Monitoring Project (PNNL-11989) in September 1998. Future changes to surveillance monitoring and the 100-BC-5 Change Control Form will be reflected in revisions to the Integrated Monitoring Plan. 4) Data validation will follow requirements outlined in the Integrated Monitoring Plan (PNNL-11989). <p>The attached Tables 1 and 2 summarize the changes to 100-BC-5 sampling. Minor modifications to the list of specific wells used and constituents analyzed may occur to meet the changing field conditions and the results of data evaluation.</p>		
Impact of Change <p>The changes continue the trend established in Change Control Form M-15-96-07 to produce a more integrated and cost-effective system. Changes to the monitoring network as a result of excavation in support of remediation are also included. Sample collection efforts will be integrated further under the consolidated program (PNNL-11989). Where reductions in number of samples, analytes, and frequency of sampling occur, a minimal or negligible loss of relevant information is expected.</p>		
Affected Documents <p>1) Remedial Investigation/Feasibility Study Work Plan for the 100-BC-5 Operable Unit, Hanford Site, Richland, WA; DOE/RL-90-08, July 1992. 2) 100 NPL Agreement/Change Control Form #14, "100-BC-5 Operable Unit Groundwater Monitoring Network," EPA approval July 1992; 3) Federal Facility Agreement and Consent Order Change Control Form, Change Number M-15-96-07.</p>		
Approvals <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <div style="margin-bottom: 10px;"> <div style="display: flex; justify-content: space-between;"> DOE 6/24/99 Approved Disapproved </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; justify-content: space-between;"> EPA 7-14-99 Approved Disapproved </div> </div> <div> <div style="margin-bottom: 10px;"> <div style="display: flex; justify-content: space-between;"> Ecology N/A Approved Disapproved </div> </div> </div> </div> <div style="width: 50%; text-align: right;"> <p style="font-size: 1.5em; margin: 0;">OWEN</p> <p style="font-size: 2em; margin: 0; font-weight: bold;">RECEIVED</p> <p style="margin: 0;">MAR. 17 2003</p> <p style="font-size: 1.5em; margin: 0; font-weight: bold;">EDMC</p> </div> </div>		